

Goods Movement in Southern California: *Addressing Public Health and Air Quality*



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Coalition for Clean Air

*Public Meeting on Goods
Movement and Ports
Los Angeles, CA
January 27-28, 2005*



Overview

- Essential Need for Public Process
- Challenge Facing Our System
- Recent Efforts at S. CA's Ports
- Technical and Policy Recommendations



Goods Movement: Overstressing our Region

- Our Goods Movement System *as it is TODAY* has created major challenges to communities throughout region:
 - Public Health and Air Quality
 - Quality of Life
 - Economics and Jobs
- Echo strongly the need for inclusive public process to hear and discuss scope of issues and variety of solutions

Southern California's Goods Movement System



The Challenge Facing our Ports

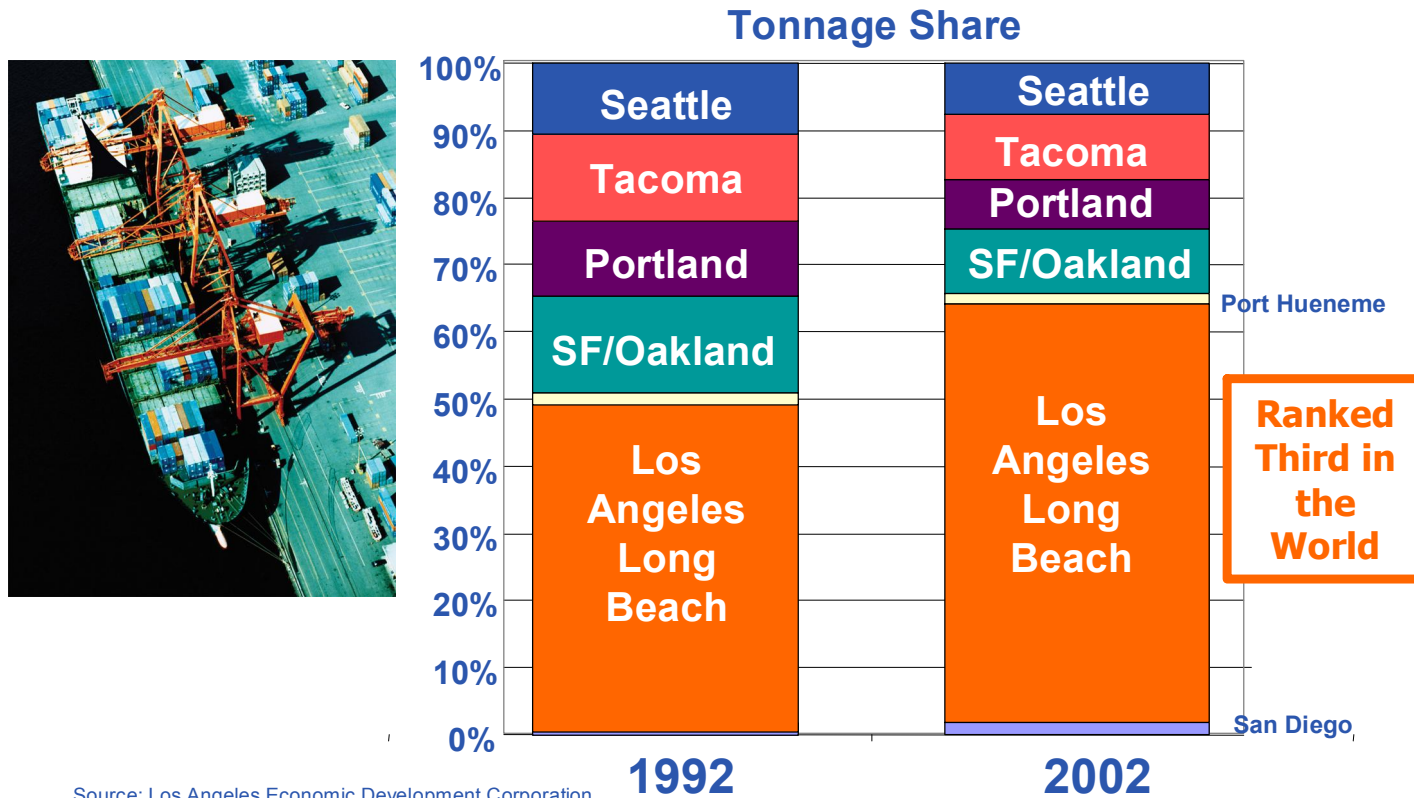
- **Port's historical role**
 - Major seaports and hubs of trade
 - Operations and volumes have changed



Photo courtesy of John Barbieri

- **Today, arguably most poorly regulated U.S. source of air pollution**
 - Complex layering of regional, state and federal regulations
- **Major growth expected within two decades**

Cargo at Major West Coast Ports



Southern California continues to subsidize the country's trade

Ports in Southern California

Grim Outlook

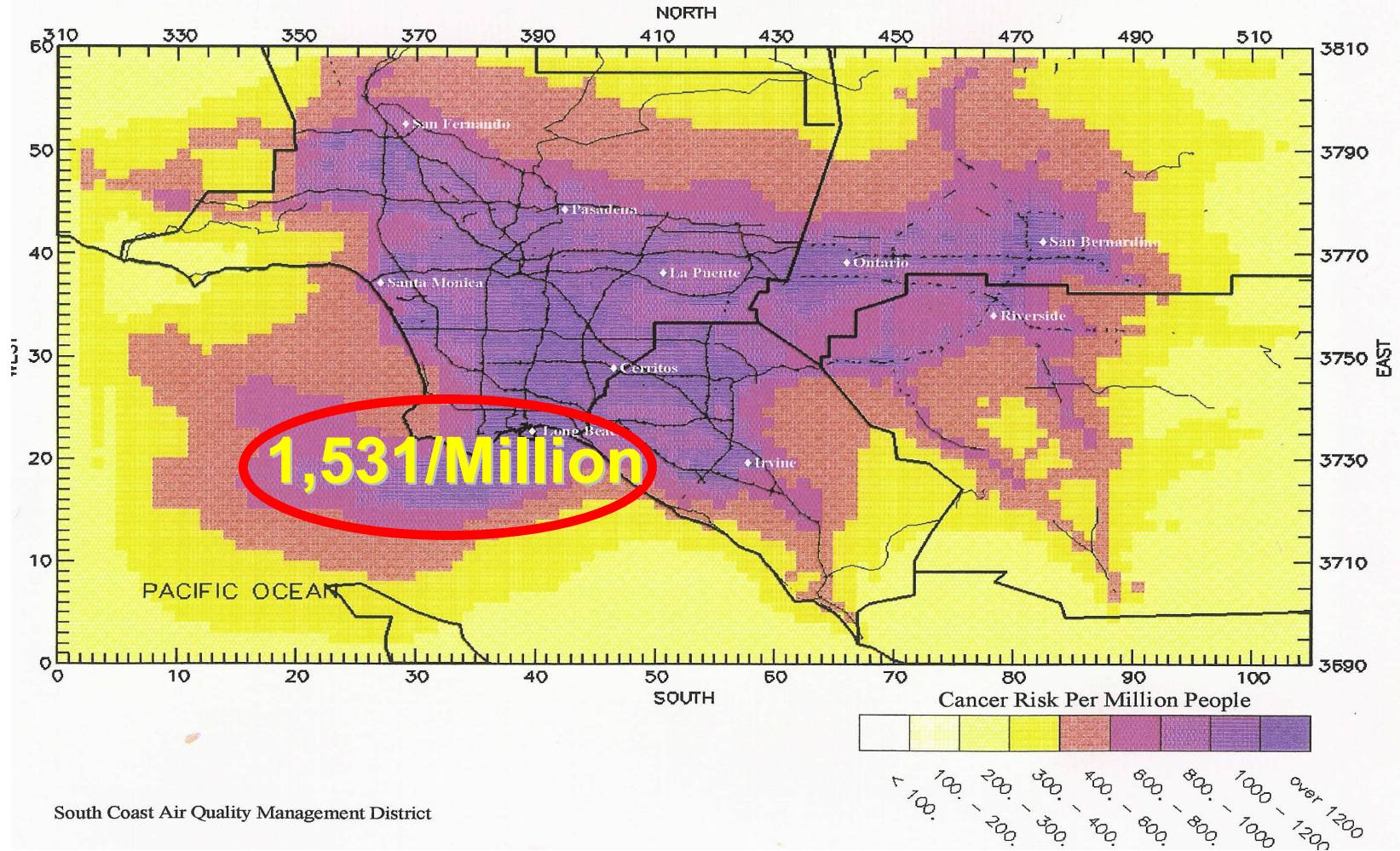
- #1 fixed source of air pollution
- > 40,000 trucks frequenting Ports of LA and LB daily
- Truck trips may *triple*; container throughput could *quadruple*

Ports of
LA/LB
Daily
Equivalent:

- 3,000,000 cars
OR
- 80 refineries
OR
- 13 power plants
OR
- 16,000 trucks idling
24hrs/day

SCAQMD Cancer Risk Study

Model Estimated Risk From All Emission Sources

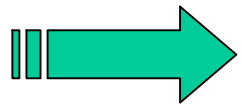


South Coast Air Quality Management District

COALITION FOR
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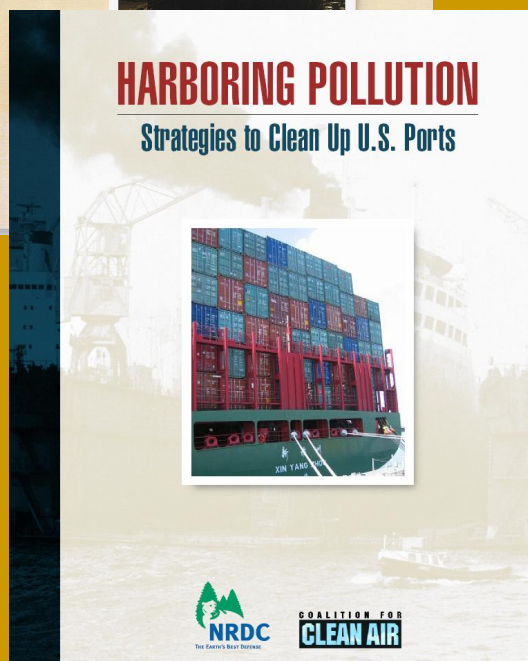
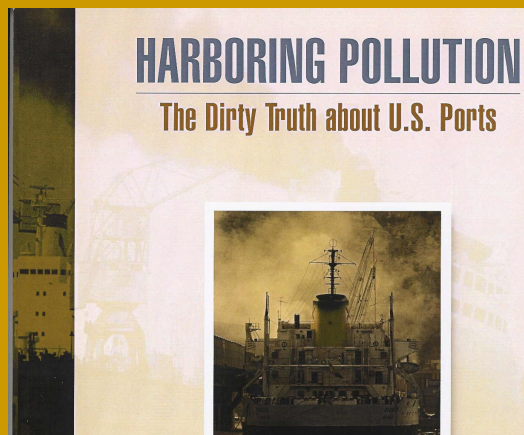
Recent Air Quality Successes

- Port of Los Angeles' China Shipping settlement
- First container ship in world plugs in
- Port of Long Beach Pier J EIR to be redone
- Mayor rejects Port of LA plan for No Net Increase



Spurred efforts at the port,
regulatory and legislative levels

Port Studies: 'Harboring Pollution'



- Evaluated 10 largest ports based on:
 - Air Quality
 - Water Quality
 - Land Use
 - Community Relations
- Extensively document health impacts
- Provide detailed policy and technical recommendations

Technological Recommendations

Short Term  *Longer Term*



Idling Tech.

Cleaner Fuels

LNG/Hybrids



Speed Reduction

Dockside Power

Cleaner Fuels

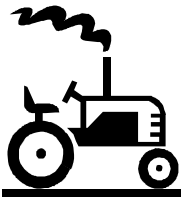
New Green Ships



Idling Limits

Retrofits

Fleet Turnover



Control Techs.

Cleaner New
Purchases

Cleaner Fuels

Electrified Terminals

Sample of Policy Recommendations

- Container Fees
 - Funds for air quality mitigation fees
 - Graduated Harbor Fees incentivizing cleaner equipment
- Reduce total emissions to a baseline year then beyond (e.g. Senator Lowenthal legislation, NNI Task Force)
- Using new leases and renegotiations to require mitigations

Where to?



- Cannot sustain serving as gateway for the country
- Must require meaningful mitigation
 - *i.e., China Shipping Terminal*
- Technological advancement and efficiencies throughout the world must be brought here



Pick 'low-hanging' fruit

Conclusion

- Process must be improved
- Public health crisis TODAY
- Reducing health impacts and improving quality of life must be priority